

Amendments to the Specification

Please replace paragraph [1022] with the following amended paragraph:

[1022] Some or all of the virtual address-to-physical address translations stored in TLB ~~[[206]]~~ 202 may be invalidated when the process identifier is updated. The process identifier is updated, for example, when a process or context is switched. Because TLB ~~202~~ may contain translations for virtual addresses that have null upper bits and therefore are specific to a particular process, those translations must be invalidated when the process switches. Invalidating the translations in TLB ~~202~~ may be performed by software. Alternatively, hardware may detect the change and perform the invalidation automatically.